

Application No.: 09/755,204

Docket No.: 59097US (30471)

LISTING OF THE CLAIMS:

65-81 (canceled)

82. (amended) A method of improving pregnancy rates in a ~~non-human mammal~~ female bovine, comprising:

culturing adult bovine fibroblast donor cells in serum starved media;

passaging the cells ~~between~~ for about 10 ~~and about 15~~ passages;

nuclear transferring the donor cells into enucleated recipient bovine oocytes to form a cybrid; ~~oocyte cells to promote cell fusion and embryo formation;~~

culturing ~~nuclear transferred embryos in serum supplemented media~~ the cybrid ~~to form~~ blastocytes; and

transferring the blastocytes cybrid into a recipient ~~non-human mammal~~ female bovine wherein pregnancy rates are up to at least about 64% ~~based on the number of embryo recipients.~~

83. (amended) The method of claim 82 wherein the fibroblast cells are obtained from an aged ~~non-human mammalian~~ male bovine donor.

84. (canceled) The method of claim 83 wherein the aged donor is a bovine.

85. (canceled)

86. (previously presented) The method of claim 84 wherein the aged donor is 17 years old.

87. (previously presented) The method of claim 82 wherein the serum starved media contains up to 0.5% serum.

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88. (previously presented) The method of claim 82 wherein the passaging is 10 passages.
89. (canceled).
90. (amended) The method of claim 82 wherein the serum ~~supplemented~~ starved media is about 10% serum.
91. (amended) A method of preparing a long term fibroblast cell population, comprising:

passaging donor fibroblast cells from an adult ~~non-human-mammal~~ bovine for about 10 to ~~about-15~~ passages in serum starved media containing up to 0.5% serum; and

selecting a population of cells identified as about 10-15 μ m in diameter and smooth membrane surfaced wherein said cells comprise a long term fibroblast cell population exhibiting delayed senescence.
92. (amended) The method of claim 91 wherein the donor cell is obtained from a male ~~mammal~~ bovine.
93. (previously presented) The method of claim 91 wherein the passaging is 10 passages.
- 94-95. (canceled)